Joint Federal And State Application Form
For Activities Affecting Waters Of The United States
Or Critical Areas Of The State Of South Carolina

This Space for Official Use Only

Application #:_____

Date Received:_____

Project Manager: _____

Authorities: 33 USC 401, 33 USC 403, 33 USC 407, 33 USC 408, 33 USC 1341, 33 USC 1344, 33 USC 1413 and Section 48-39-10 et. Seq of the South Carolina Code of Laws. These laws require permits for activities in, or affecting, navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. The Corps of Engineers and the State of South Carolina have established a joint application process for activities requiring both Federal and State review or approval. Under this joint process, you may use this form, together with the required drawings and supporting information, to apply for both the Federal and/or State permit(s).

Drawings and Supplemental Information Requirements: In addition to the information on this form, you must submit a set of drawings and, in some cases, additional information. A completed application form together with all required drawings and supplemental information is required before an application can be considered complete. See the attached instruction sheets for details regarding these requirements. You may attach additional sheets if necessary to provide complete information.

1. Applicant's Name.

Town of Hilton Head Island
c/o Charles O. Hoelle, Jr., Deputy Town Manager

2. Applicant's Address.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

3. Applicant's Contact Number (include area code).

Residence:
Business: (843) 341-4700
FAX: (843) 842-8587

4. Agent's Name (an agent is not required).

Christopher G. Creed, P.E.
(SC 23064)

5. Agent's Address.

Olsen Associates, Inc.
4438 Herschel Street
Jacksonville, FL 32210

6. Agent's Contact Number (include area code).

Residence:
Business: (904) 387-6114
FAX: (904) 384-7368

7. Project Title.

Spa Shoreline Restoration Project

8. Nearest Waterbody to project site (if known).

Port Royal Sound

9. Project Location. Town of Hilton Head Island
Street Address: One Town Center Court
County: Beaufort
Latitude: 32° 14.1'
Longitude: 80° 41.0'

10. Directions to the Site (attach additional sheets if needed).

Take Highway 278 onto Hilton Head Island. Continue on Hwy 278 for about 4.2 miles. Turn left onto Beach City Road. Continue on Beach City Road for about 2.5 miles to dead end.

11. Description of the Overall Project and of Each Activity in or Affecting U.S. Waters or State Critical Areas (attach additional sheets if needed).

See Attachment A

12. Overall Project Purpose and the Basic Purpose of Each Activity In or Affecting U.S. Waters (attach additional sheets if needed).

See Attachment A

13. Type and quantity of Materials to Be Discharged.		14. Type and Quantity of Impacts to U.S. Waters (including wetlands).			
Dirt or Topsoil:	_____ cubic yards	Filling:	10.0 ☒acres ☐sq.ft.	80,000	cubic yards
Clean Sand:	80,000 cubic yards (±10%)	Backfill & Bedding:	_____ ☐acres ☐sq.ft.	_____	cubic yards
Mud:	_____ cubic yards	Landclearing:	_____ ☐acres ☐sq.ft.	_____	cubic yards
Clay:	_____ cubic yards	Dredging or Excavation:	5.0 ☐acres ☐sq.ft.	80,000	cubic yards
Gravel, Rock, or Stone:	_____ cubic yards	Flooding:	_____ ☐acres ☐sq.ft.	_____	cubic yards
Concrete:	_____ cubic yards	Draining:	_____ ☐acres ☐sq.ft.	_____	cubic yards
Other (describe):	_____ cubic yards	Shading:	_____ ☐acres ☐sq.ft.	_____	cubic yards
TOTAL:	80,000 cubic yards (±10%)	TOTALS:	_____ ☐acres ☐sq.ft.	_____	cubic yards
		(No wetlands will be impacted)			

15. Names and Addresses of All Adjoining Property Owners (attach additional sheets if needed).

Names and addresses included at attachment on hardcopy and mailing labels.

16. Has any portion of the work already commenced? If yes, describe all work that has been done and the dates of the work.

No.

17. List all Certifications, Approvals, and Denials received from Federal, State, or Local Agencies for work described in this application.

N/A

18. Authorization of Agent. I hereby authorize the agent whose name is given in block number 4 of this application to act in my behalf in the processing of this application and to furnish supplemental information in support of this application.

C. Joelle Jr. 1/20/05

Applicant's Signature Date

19. Certification. Application is hereby made for a permit or permits to authorize the work and uses of the work as described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent for the applicant.

C. Joelle Jr. 1-20-05

Applicant's Signature Date Agent's Signature Date

The application must be signed by the person who desires to undertake the proposed activity or it may be signed by a duly authorized agent if the authorization statement in blocks 4 and 18 have been completed and signed. 18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both.

Submit the completed application form with the required drawings and all supporting information as indicated below.

Send all original application materials to:
U.S. Army Corps of Engineers
Charleston District, Regulatory Division
69A Hagood Avenue
Charleston, South Carolina 29403-5107
(843) 329-8044

Send one complete copy to:
S.C. Dept of Health & Environmental Control
Office of Ocean and Coastal Resource Management
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405
(843) 744-5838

Send one complete copy to:
S.C. Dept. of Health & Environmental Control
Office of Environmental Quality Control
2600 Bull Street
Columbia, South Carolina 29201
(803) 898-4300

PROJECT DESCRIPTION

Town of Hilton Head Island, S.C.
Spa Shoreline Restoration and Protection Project

Applicant: Town of Hilton Head Island
Agent: Olsen Associates, Inc., Jacksonville, Florida

The proposed project is located about 1,700 feet north of Fish Haul Creek along the Port Royal Sound shoreline of Hilton Head Island, South Carolina (see Permit Sheets 1 and 2). The project will include the placement of approximately 80,000 (+/-10 percent) cubic yards of sand along 2,100 feet of shoreline and the construction of six (6) detached rubble mound (rock) breakwaters along a portion of the Port Royal Sound shoreline (see Permit Sheet 3). The purpose of the project is to restore a localized reach of highly eroded Sound shoreline and reduce future erosional stress along that same shoreline. The project will replace sand lost from that shoreline due to recent significant erosion and protect upland properties and vegetation from additional shoreline retreat.

The sand fill will be initially shaped into the typical construction berm configuration. The upper portion of the berm will slope mildly from about the +8 ft NGVD elevation at the existing bluff to +7 ft NGVD at the seaward edge of the berm. From there, the fill will slope to the existing seabed at an approximate slope of 1:20 (i.e., 1 vertical unit to 20 horizontal unit) (see Permit Sheet 4). Fully developed berm widths will vary from about 100 to 135 feet at the + 7 ft NGVD elevation. The variation is due to the irregular configuration of the existing, eroded shoreline. The fill will taper to the existing shoreline at both the north and south ends. At the southern end of the project, the fill will be fully developed to the southern extent of the "White" parcel and taper to the existing shoreline within 200 feet. The fill will initially be constructed in a relatively straight, continuous configuration. Following construction, the fill will "equilibrate" (i.e., shift) in both plan form and section in response to the natural wave climate and the influence of six (6) small detached rock breakwaters (See Sheet 5).

The beach quality sand required for the project will be excavated from the permitted limits of the Joiner Shoals borrow site (P/N 2004-1W-319-P -- *Pending*). The sediment conditions within the borrow area have been investigated in detail (Olsen Associates, Inc., 2004) and are compatible with the native beach sediment conditions along the proposed project shoreline. The sand will be excavated by hydraulic cutter-head dredge and either pumped through a pipeline directly to the beach or pumped to a stockpile area on the Atlantic shorefront during construction of the larger beach renourishment project (P/N 2004-1W-319-P – *Pending*) and trucked to the project site.

The project will likewise include the construction of six (6) rubble mound (rock) breakwaters situated immediately seaward of the project beach, but fully detached from the shoreline. The structures will be built upon the existing seabed, seaward of the sand fill. Each structure will have a crest elevation of +6 ft, NGVD with side slopes of 1:2 (i.e., 1 vertical unit to 20 horizontal unit) (see Permit Sheet 4). Each breakwater will be approximately 70 feet long and there will be approximately a 100 ft gap between adjacent structures. The six structures will occupy about 0.3 acres of the intertidal area. Along with the beach fill (about 9.7 acres), the total project footprint upon the sandy intertidal substrate will be approximately 10 acres.

The Applicant seeks permission to construct the breakwaters and sand fill anytime throughout the year. It is expected that the sand fill will be constructed coincident with the larger, island-wide beach renourishment project. Depending upon the schedule for the larger project, the Town may elect to construct the breakwaters prior to sand fill placement and under a separate contract. The construction of the breakwaters without fill would serve to provide increase shoreline stability along the eroded shoreline prior to the placement of the 80,000 cubic yards of sand fill.

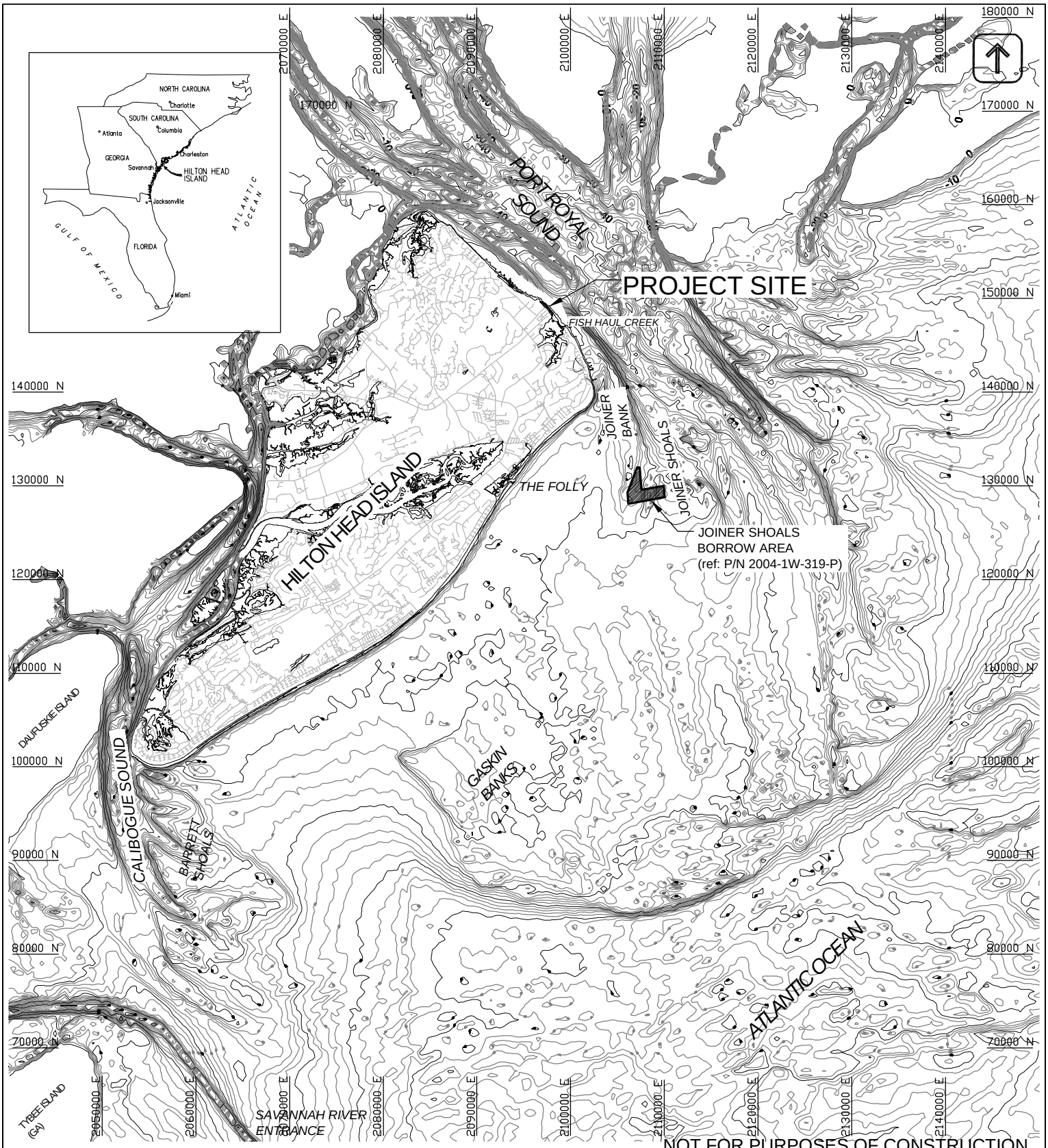
As with past beach nourishment projects constructed at Hilton Head Island, the Applicant intends to monitor the shoreline for marine turtle nesting activities during construction. It is noted, however, that this has not historically been a highly active nesting area for marine turtles. Furthermore, the eroded condition of the shoreline would make successful nesting and hatching problematic at this location. Should a turtle nest be deposited within the project limits prior to or during construction, it would be relocated to a suitable location to increase the likelihood of a successful hatch. Authorization for nest relocation (if necessary) is being sought under this Permit Application.

All construction activities will occur well above the mean low water shoreline elevation (approximately -3.3 ft, NGVD). At this location, the intertidal platform exceeds 1,050 feet in width.

It is noted that a section of the extreme northeast end of Hilton Head Island facing the Atlantic Ocean has been delineated as *Critical Habitat* for the piping plover (*Charadrius melodus).* This location of the designated area on Hilton Head Island is depicted in **Attachment B**. The proposed activities addressed by the application are not located in or near this designated area and therefore will not serve to adversely impact the habitat.

References:

Olsen Associates, Inc. (2004). *"Hilton Head Island, SC 2005/06 Beach Renourishment Project Offshore Sand Search Investigation"*, engineering report prepared for the Town of Hilton Head Island, SC, Olsen Associates, Inc., Jacksonville, FL, July 2004.



NOT FOR PURPOSES OF CONSTRUCTION

APPLICANT:

TOWN OF
HILTON HEAD ISLAND, SC

TOWN OF HILTON HEAD ISLAND
SPA SHORELINE RESTORATION PROJECT

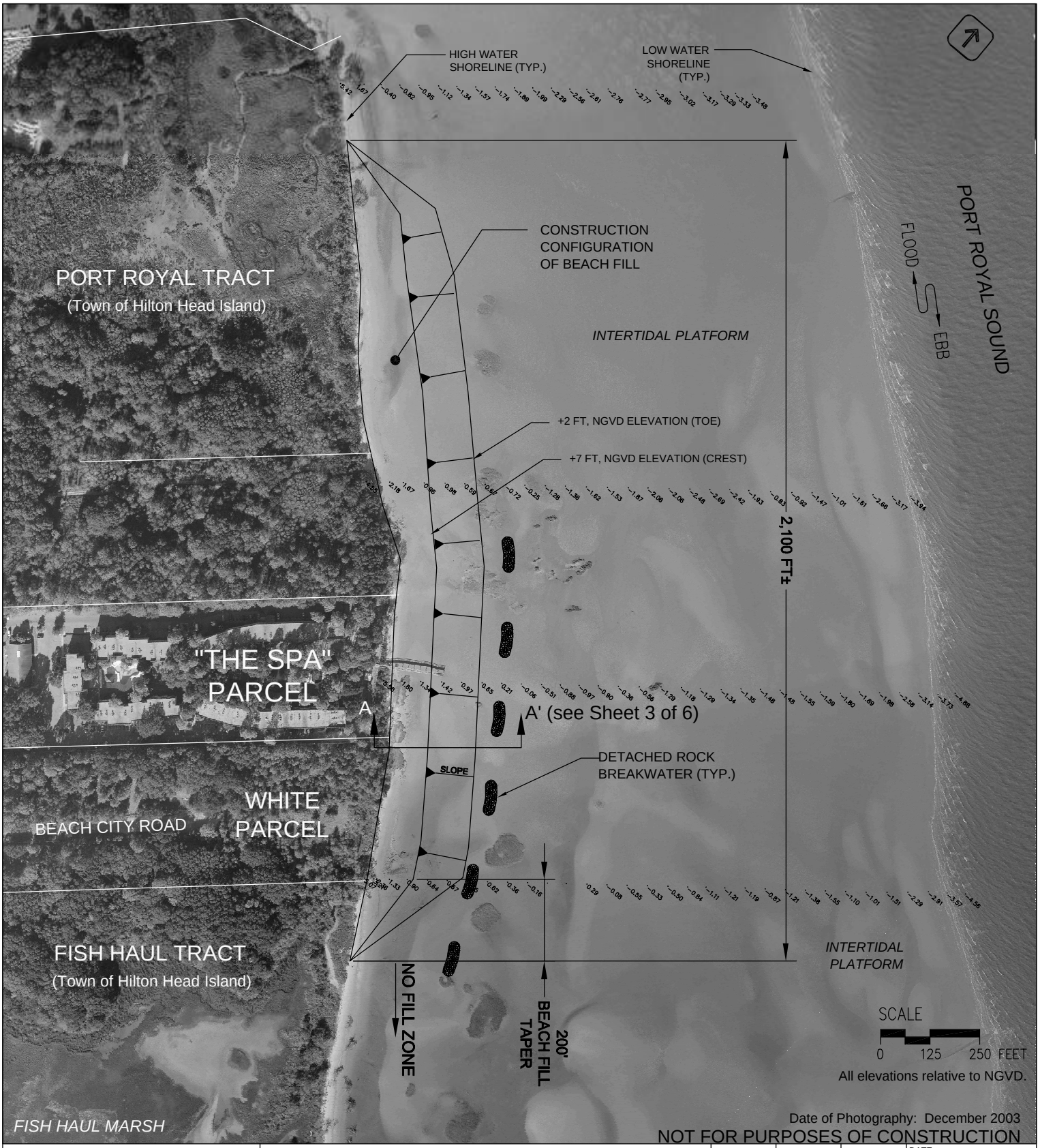
PROJECT LOCATION

DATE:	APPROVED	REVISION

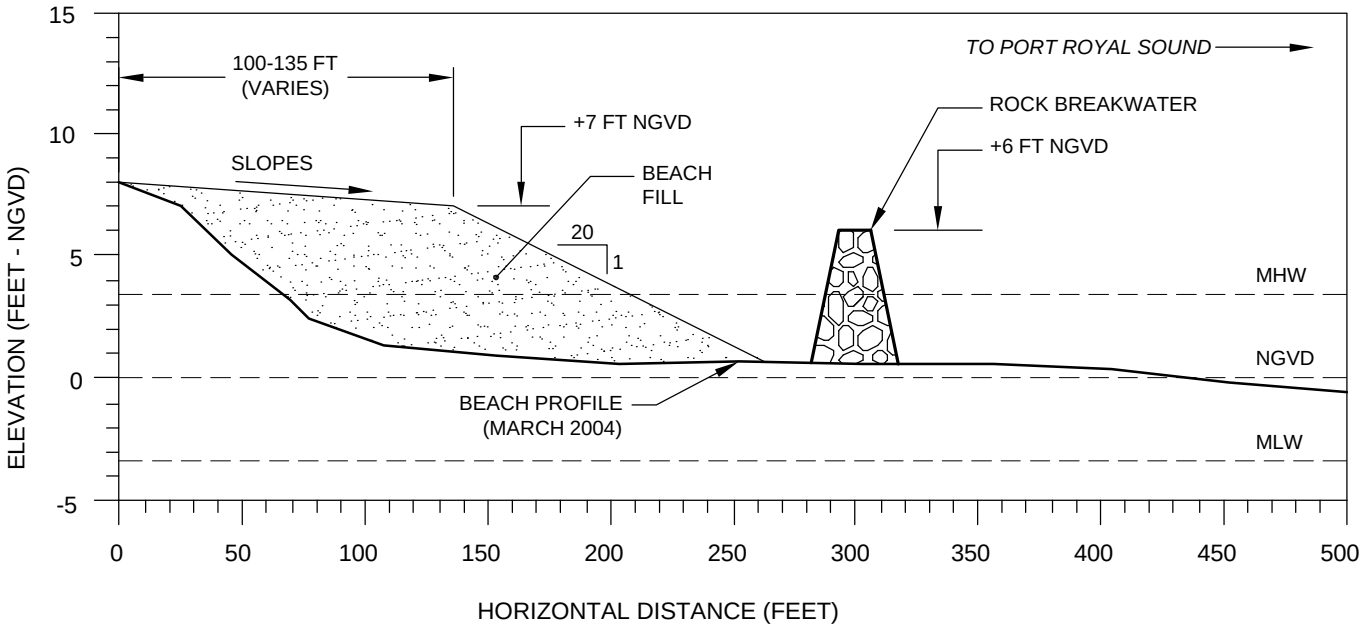
DATE: 01/15/04

DRAWN BY: CGC

SHEET 1 OF 5



APPLICANT: TOWN OF HILTON HEAD ISLAND, SC	TOWN OF HILTON HEAD ISLAND SPA SHORELINE RESTORATION PROJECT BEACH AND BREAKWATER **PLAN**	DATE:	APPROVED	REVISION	DATE: 01/15/05 DRAWN BY: CGC SHEET 2 OF 5

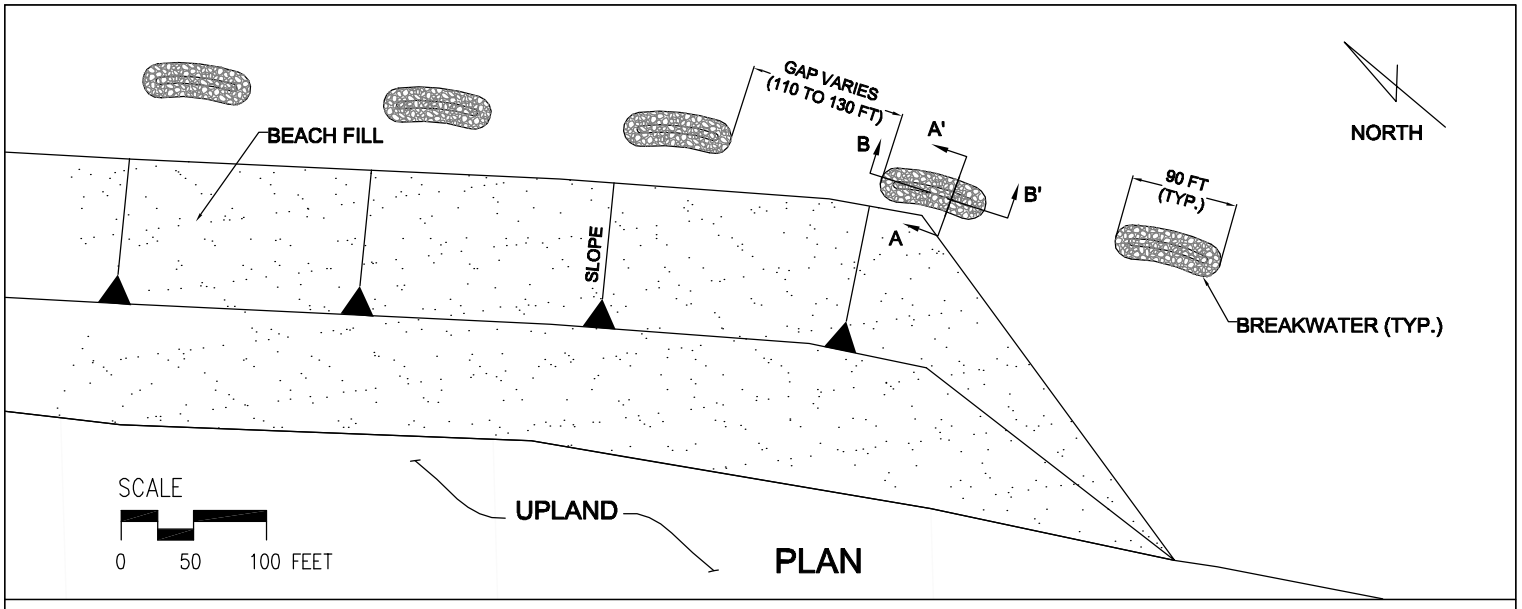


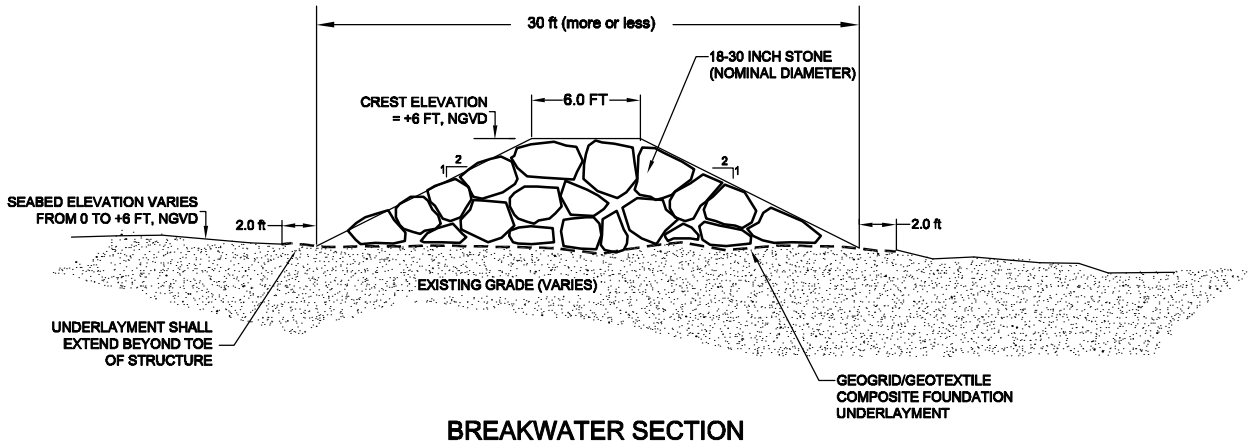
SECTION
A-A'

10(H) : 1(V) DISTORTION

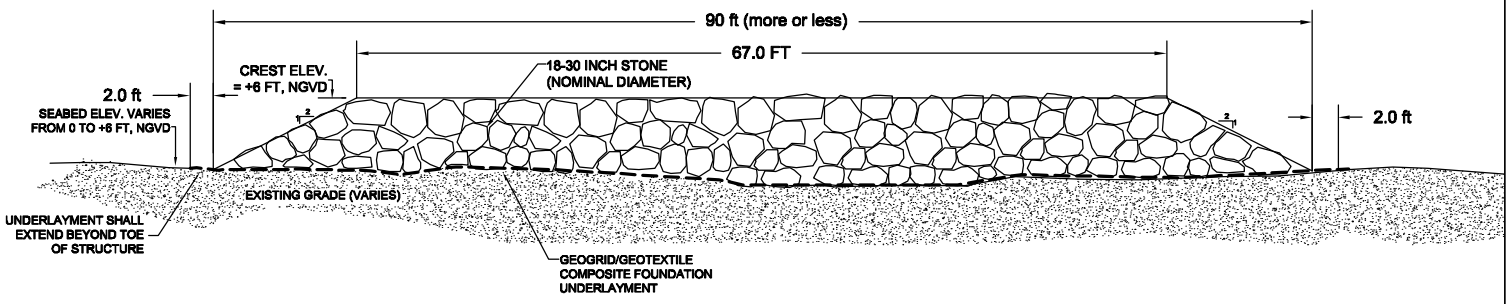
NOT FOR PURPOSES OF CONSTRUCTION

APPLICANT: TOWN OF HILTON HEAD ISLAND, SC	TOWN OF HILTON HEAD ISLAND SPA SHORELINE RESTORATION PROJECT TYPICAL BEACH FILL SECTION	DATE:	APPROVED	REVISION	DATE: 01/15/05 DRAWN BY: CGC SHEET 3 OF 5





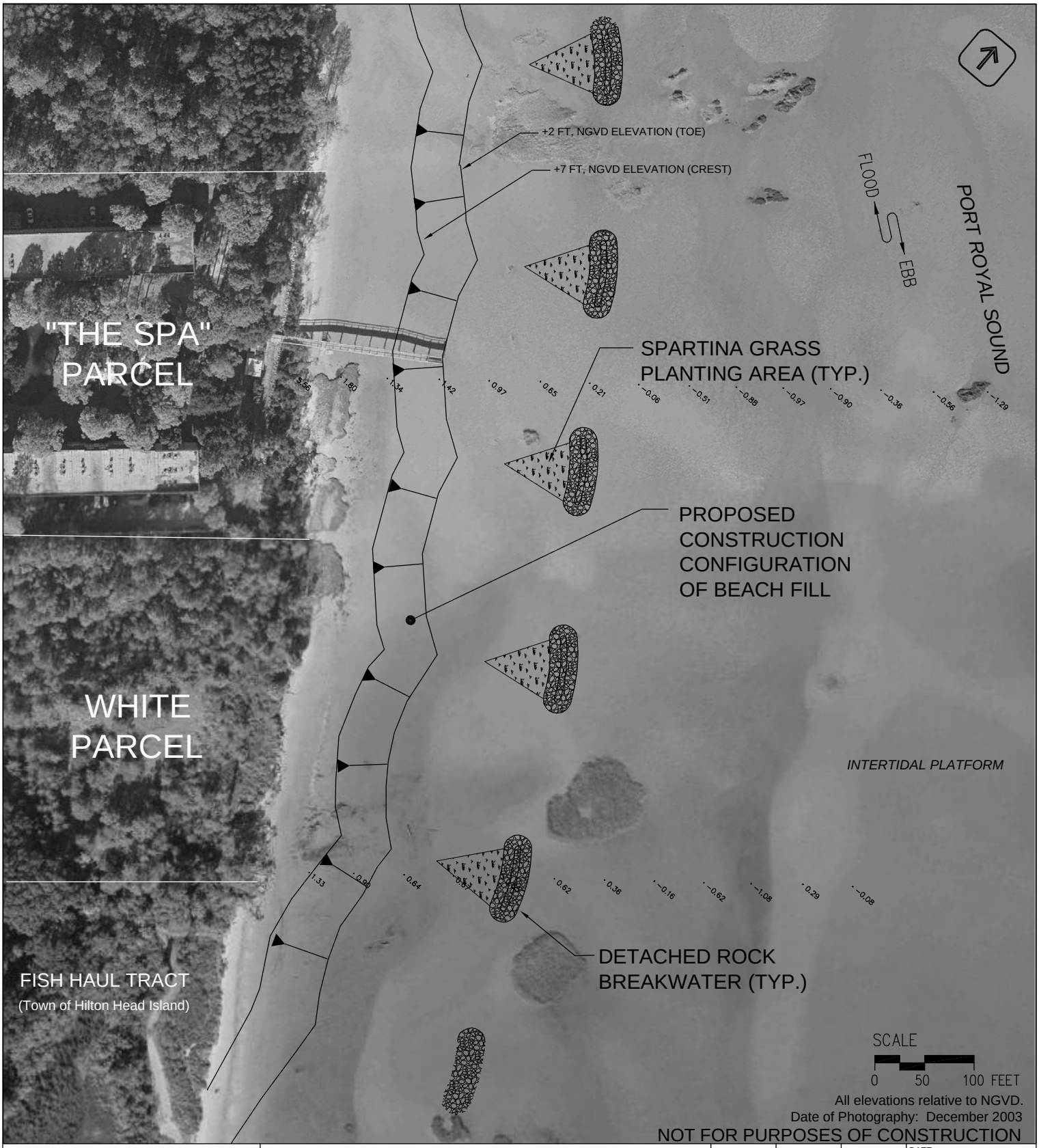
BREAKWATER SECTION
A-A'



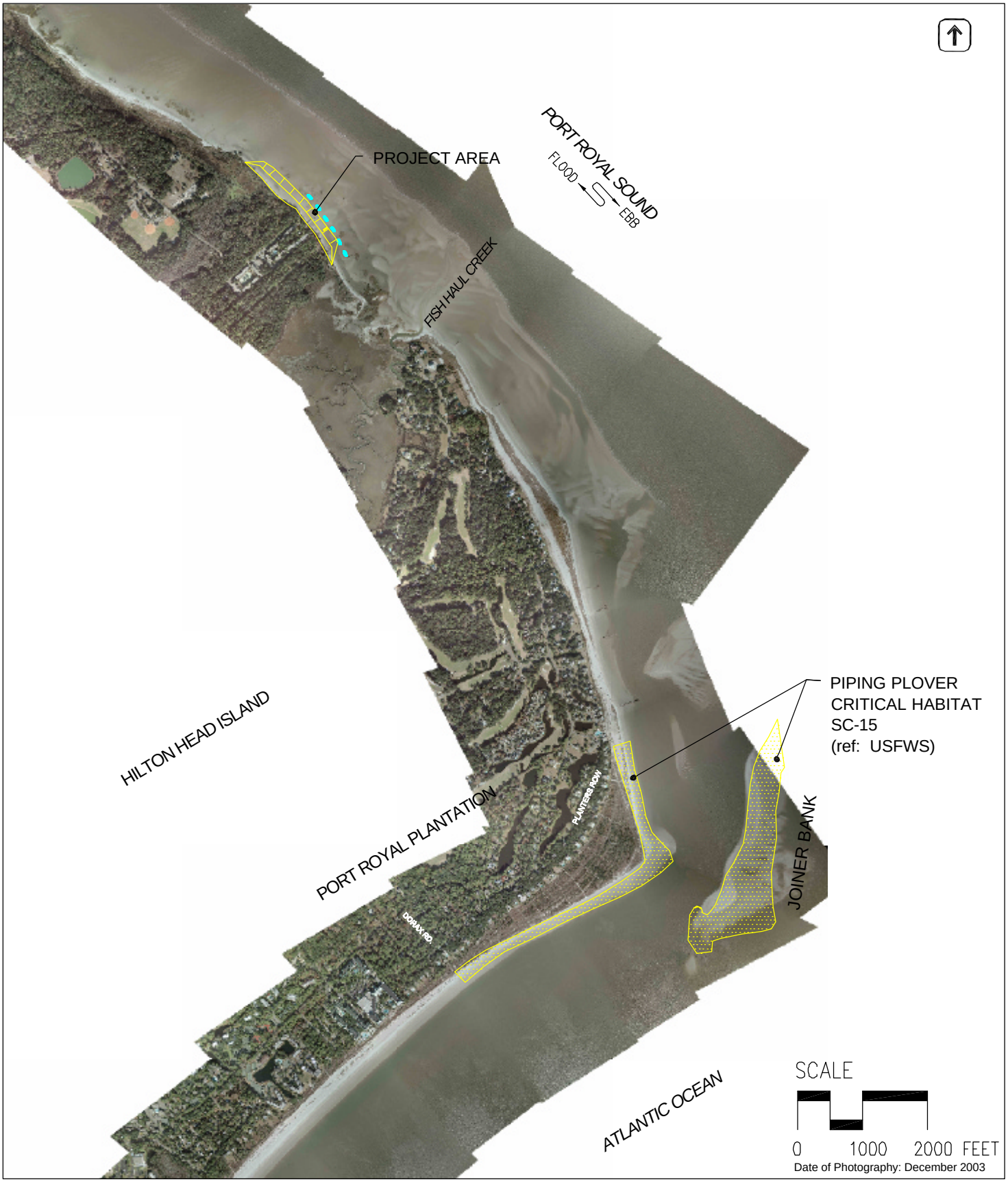
BREAKWATER SECTION
B-B'

NOT FOR PURPOSES OF CONSTRUCTION

APPLICANT: TOWN OF HILTON HEAD ISLAND, SC	TOWN OF HILTON HEAD ISLAND SPA SHORELINE RESTORATION PROJECT BREAKWATER DETAILS	DATE:	APPROVED	REVISION	DATE: 01/15/05 DRAWN BY: CGC SHEET 4 OF 5



APPLICANT:	TOWN OF HILTON HEAD ISLAND SPA SHORELINE RESTORATION PROJECT	DATE:	APPROVED	REVISION	DATE: 01/15/05
TOWN OF HILTON HEAD ISLAND, SC	SPARTINA GRASS PLANTING PLAN				DRAWN BY: CGC
					SHEET 5 OF 5



ATTACHMENT B